

Title (en)  
LIME BASED SORBENT FOR USE IN A FLUE GAS TREATMENT INSTALLATION AND PROCESS OF MANUFACTURING SAID LIME BASED SORBENT

Title (de)  
SORPTIONSMITTEL AUF KALKBASIS ZUR VERWENDUNG IN EINER RAUCHGASBEHANDLUNGSANLAGE UND VERFAHREN ZUR HERSTELLUNG DIESES SORPTIONSMITTELS AUF KALKBASIS

Title (fr)  
SORBANT À BASE DE CHAUX DESTINÉ À ÊTRE UTILISÉ DANS UNE INSTALLATION DE TRAITEMENT DE GAZ ET PROCÉDÉ DE FABRICATION DUDIT SORBANT À BASE DE CHAUX

Publication  
**EP 3795244 A1 20210324 (EN)**

Application  
**EP 19199016 A 20190923**

Priority  
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Abstract (en)  
[origin: CA3151296A1] Lime-based sorbent suitable for use in a flue gas treatment process comprising at least 70 wt. % of Ca(OH)<sub>2</sub> and at least 0.2 wt. % to at most 10 wt. % of a first additive selected among the group of hydrogels of natural or synthetic origin, in particular superabsorbent polymers (SAPs) or in the group of cellulose ethers or a combination thereof, premix for use in a manufacturing process of said sorbent, process for manufacturing the sorbent and use of said sorbent in a flue gas treatment process.

IPC 8 full level  
**B01D 53/02** (2006.01); **B01D 53/50** (2006.01); **B01D 53/68** (2006.01); **B01D 53/83** (2006.01); **B01J 20/04** (2006.01); **B01J 20/26** (2006.01); **C04B 2/04** (2006.01)

CPC (source: CN EP KR US)  
**B01D 53/02** (2013.01 - CN KR); **B01D 53/508** (2013.01 - CN EP KR); **B01D 53/685** (2013.01 - CN KR); **B01D 53/83** (2013.01 - CN KR); **B01J 20/041** (2013.01 - CN EP KR US); **B01J 20/24** (2013.01 - CN EP KR US); **B01J 20/261** (2013.01 - CN EP KR); **B01J 20/262** (2013.01 - EP KR); **B01J 20/267** (2013.01 - CN EP KR US); **B01J 20/28004** (2013.01 - CN EP KR); **B01J 20/28059** (2013.01 - CN EP KR US); **B01J 20/28071** (2013.01 - CN EP KR); **B01J 20/3021** (2013.01 - CN EP KR US); **B01J 20/3085** (2013.01 - CN EP KR US); **C04B 2/066** (2013.01 - CN); **C04B 22/064** (2013.01 - KR); **C04B 24/2641** (2013.01 - KR); **C04B 24/383** (2013.01 - KR); **C04B 40/0039** (2013.01 - EP KR); **B01D 53/02** (2013.01 - EP); **B01D 53/685** (2013.01 - EP); **B01D 53/83** (2013.01 - EP); **B01D 2251/304** (2013.01 - CN EP KR); **B01D 2251/404** (2013.01 - CN EP KR); **B01D 2251/604** (2013.01 - CN EP KR); **B01D 2253/112** (2013.01 - CN EP KR); **B01D 2253/202** (2013.01 - CN EP KR); **B01D 2253/304** (2013.01 - CN EP KR); **B01D 2253/306** (2013.01 - CN EP KR); **B01D 2253/311** (2013.01 - CN EP KR); **B01D 2257/2045** (2013.01 - CN EP KR); **B01D 2257/302** (2013.01 - CN EP KR); **B01D 2258/0283** (2013.01 - CN EP KR); **B01D 2258/0291** (2013.01 - CN EP KR); **B01J 2220/46** (2013.01 - CN EP KR US); **B01J 2220/68** (2013.01 - CN EP KR US); **C04B 2103/0051** (2013.01 - KR); **C04B 2103/0078** (2013.01 - EP KR)

Citation (applicant)  
WO 2018185328 A1 20181011 - LHOIST RECH ET DEVELOPPEMENT SA [BE]

Citation (search report)  
• [X1] FR 3029195 A1 20160603 - DELHEUR STEPHANE [FR]  
• [AD] WO 2018185328 A1 20181011 - LHOIST RECH ET DEVELOPPEMENT SA [BE]  
• [A] DE 3620024 A1 19871217 - FELS WERKE PEINE SALZGITTER [DE]  
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